



Docket No.: 13195-00006-US  
(PATENT)

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of:  
SCHMITZ, et al.

Application No.: 10/539954

Conf. No.: Not Yet Assigned

Filed: June 17, 2005

Art Unit: Not Yet Assigned

For: METHOD FOR PRODUCING AMINO ACIDS

Examiner: Not Yet Assigned

**INFORMATION DISCLOSURE STATEMENT (IDS)**

MS Amendment  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Dear Sir:

Pursuant to 37 CFR 1.56, 1.97 and 1.98, the attention of the Patent and Trademark Office is hereby directed to the references listed on the attached PTO/SB/08. It is respectfully requested that the information be expressly considered during the prosecution of this application, and that the references be made of record therein and appear among the "References Cited" on any patent to issue therefrom.

This Information Disclosure Statement is filed before the mailing date of a first Office Action on the merits as far as is known to the undersigned (37 CFR 1.97(b)(3)).

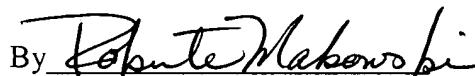
Of the documents listed on the attached SB/08 are the documents cited in the International Search Report during the prosecution of international application no. PCT/EP2003/014649, which corresponds to the above referenced application. In accordance with 37 CFR 1.97(b)(3), Applicants hereby submit these documents for the Examiner's consideration. A copy of each document required under 37 CFR 1.98(a)(2) is enclosed.

In accordance with 37 CFR 1.97(g), the filing of this Information Disclosure Statement shall not be construed to mean that a search has been made or that no other material information as defined in 37 CFR 1.56(a) exists. In accordance with 37 CFR 1.97(h), the filing of this

Information Disclosure Statement shall not be construed to be an admission that any patent, publication or other information referred to therein is "prior art" for this invention unless specifically designated as such. Moreover, Applicants understand the Examiner will make an independent evaluation of the cited documents.

Applicants believe no fee is due. However, if a fee is due, the Director is hereby authorized to charge any deficiency in the fees filed, asserted to be filed or which should have been filed herewith (or with any paper hereafter filed in this application by this firm) to our Deposit Account No. 03-2775, under Order No. 13195-00006-US, from which the undersigned is authorized to draw..

Respectfully submitted,

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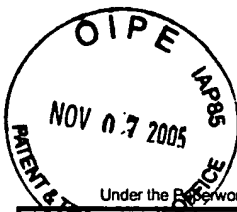
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PTO/SB/08a/b (07-05)

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<b>Substitute for form 1449A/B/PTO</b>  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (Use as many sheets as necessary)			<b>Complete if Known</b>		
			Application Number	10/539954	
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			First Named Inventor	Oliver Schmitz	
			Art Unit	N/A	
			Examiner Name	Not Yet Assigned	
Sheet	1	of	3	Attorney Docket Number	13195-00006-US

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. <sup>1</sup>	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code <sup>2</sup> (if known)			

FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>6</sup>
		Country Code <sup>3</sup> -Number <sup>4</sup> -Kind Code <sup>5</sup> (if known)				
	BA	EP-0 066 129 A2	12-08-1982	Ajinomoto Co., Inc.		

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. <sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

NON PATENT LITERATURE DOCUMENTS						
Examiner Initials	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.				T <sup>2</sup>
	CA	SEYMOUR, G. B., ET AL., "Sequence 38 from Patent WO9853085", Nov. 26, 1998, Accession No. A83031.				
	CB	PARKHILL, J., ET AL., "L-allo-threonine aldolase (EC 4.1.2.-) [imported] - Salmonella enterica subsp. enterica serovar Typhi (strain CT18)", Nov. 9, 2001, Accession No. AF0608.				
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	CD	ADAMS, M. D., ET AL., "RPC111-21H9.TP RPC1-11 Homo sapiens genomic clone RPC1-11-21H9, genomic survey sequence", April 9, 1999, Accession No. B83993.				
	CE	ROUNSLEY, S. D., ET AL., "T33N13TF TAMU Arabidopsis thaliana genomic clone T33N13, genomic survey sequence", March 31, 1998, Accession No. B97490.				
	CF	SASAKI, T., ET AL., "Rice panicle at flowering stage Oryza sativa (japonica cultivar-Group) cDNA clone E1236 1A, mRNA sequence", April 4, 2002, Accession No. C72215.				
	CG	MORIO, T., ET AL., "C84060 Dictyostelium discoideum SS (H. Urushihara) Dictyostelium discoideum cDNA clone SSC577, mRNA sequence", April 28, 1999, Accession No. C84060.				
	CH	KOCHER, H. P., ET AL., "Sequence 33 from Patent WO9425606", March 5, 1997, Accession No. A40406.				
	CI	KOHARA, Y. ET AL., "CELK095a3F Yuji Kohara unpublished cDNA Caenorhabditis elegans cDNA clone yk95a3 5', mRNA sequence", Dec. 7, 1995, Accession No. D70033.				
	CJ	MIYA, M., ET AL., "Cyclothone kobayashii 12S rRNA gene, partial sequence", April 8, 2000, Accession No. D84035.				
	CK	YAMANO, Y., ET AL., "Bombyx mori DNA for cecropin A, complete cds.", April 14, 2000, Accession No. D84395.				
	CL	WHITE, O., ET AL., "L-allo-threonine aldolase - Deinococcus radiodurans (strain R1)", Dec. 3, 1999, Accession No. E75410.				
	CM	HEIDELBERG, J.F., ET AL., "L-allo-threonine aldolase VCA0765 [imported] - Vibrio cholerae (strain N16961 serogroup 01)", Aug. 18, 2000, Accession No. E82418.				
	CN	CRESPI, M., ET AL., "Hypothetical protein 2 (ipt 3' region) - Rhodococcus fascians plasmid pFid188", Aug. 25, 1995, Accession No. F55578.				
Examiner Signature				Date Considered		

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Sheet	2	of	3	Attorney Docket Number	13195-00006-US

CO	WADE, C. "s208p6395re2. T0 129s1/svImJ Mus musculus STS genomic, sequence tagged site", Sept. 6, 2002, Accession No. G83533.	
CP	SOARES, M. B., "Seq2296 Cot250Ft-b4HB3MA Homo sapiens cDNA clone Cot250Ft-b4HB3MA-21 3', mRNA sequence", Aug. 1, 1994, Accession No. T24108.	
CQ	LEUCHTENBERGER, W., "Amino Acids - Technical Production and Use", Chapter 14a in Biotechnology, eds. Rehm, H.-J., et al., Weinheim, 1996, pp.466-502.	
CR	MONSCHAU, N., ET AL., "Threonine Aldolase Overexpression plus Threonine Supplementation Enhanced Riboflavin Production in <i>Ashbya gossypii</i> ", Applied and Environmental Microbiology, Vol. 64, No. 11, Nov. 1998, pp. 4283-4290.	
CS	STRYER, L., "Amino Acid Degradation and the Urea Cycle", Chapter 21 in Biochemistry, 1988, W.H. Freeman and Company, New York, pp. 495-516.	
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CV	UMBARGER, H.E., "Amino Acid Biosynthesis and its Regulation", Ann. Rev. Biochem., Vol. 47, 1978, pp. 533-606.	
CW	ZEI, M., ET AL., "Antisense Inhibition of Threonine Synthase Leads to High Methionine Content in Transgenic Potato Plants", Plant Physiology, Vol. 127, Nov. 2001, pp. 792-802.	
CX	QIU, Q., ET AL., "Synthetic construct <i>Pseudomonas aeruginosa</i> clone FLH051184.01F PA0902 gene, partial cds.", July 7, 2004, Accession No. AY659190.	
CY	SCHULTE, U., ET AL., "Hypothetical protein 7F4.340", June 1, 2003, Accession No. Q871Q6.	
CZ	ADAMS, M.D., ET AL., "CG10184-PA (LD34157p) <i>Drosophila melanogaster</i> (Fruit fly)", May 1, 2000, Accession No. Q9VCK6.	
CA1	WING, R.A., ET AL., "Putative lysine decarboxylase-like protein", March 1, 2003, Accession No. Q8H7U8.	
CB1	LIN, X., ET AL., "L-allo-threonine aldolase, putative", October 1, 2000, Accession No. Q9M835.	
CC1	XIAO, Y.L., ET AL., "Hypothetical protein At2g37210/T2N18.3.", October 1, 2002, Accession No. Q8L8B8.	
CD1	IVANOVA, N., ET AL., "Lysine decarboxylase family", June 1, 2003, Accession No. Q815T3.	
CE1	PAULSEN, I.T., ET AL., "Decarboxylase family protein", June 1, 2003, Accession No. Q839D0.	
CF1	NELSON, K.E., ET AL., "Hypothetical protein", June 1, 2003, Accession No. Q88DF4.	
CG1	BRUEGGEMANN, H., ET AL., "L-allo-threonine aldolase (EC 4.1.2.-)", June 1, 2003, Accession No. Q896G8.	
CH1	KANEKO, T., ET AL., "B114016 protein", June 1, 2003, Accession No. Q89N26.	
CI1	KANEKO, T., ET AL., "B113794 protein", June 1, 2003, Accession No. Q89NP4.	
CJ1	XU, J., ET AL., "Putative lysine decarboxylase", June 1, 2003, Accession No. Q8A2T1.	
CK1	TAKAMI, H., ET AL., "Hypothetical conserved protein", March 1, 2003, Accession No. Q8ETC2.	
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CM1	PAULSEN, I.T., ET AL., "Hypothetical protein", March 1, 2003, Accession No. Q8G289.	
CN1	BABA, T., ET AL., "Hypothetical protein MW0642", October 1, 2002, Accession No. Q8NXQ6.	
CO1	DA SILVA, A.C.R., ET AL., "Hypothetical Protein XCC1484", October 1, 2002, Accession No. Q8PAJ9.	
CP1	DA SILVA, A.C.R., ET AL., "Hypothetical protein XAC1532", October 1, 2002, Accession No. Q8PMAO.	
CQ1	BAO, Q., ET AL., "Threonine aldolase", June 1, 2002, Accession No. Q8RCY7.	

Examiner Signature		Date Considered	
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CR1	KAPATRAL, V., ET AL., "Hypothetical protein FN0535", June 1, 2002, Accession No. Q8RFZ1.	
CS1	CAPELA, D., ET AL., "Hypothetical protein SMc02544", December 1, 2001, Accession No. Q92R13.	
CT1	KANEKO, T., ET AL., "M117812 protein", October 1, 2001, Accession No. Q984W8.	
CU1	BENTLEY, S.D., ET AL., "Hypothetical protein SC03657", November 1, 1999, Accession Q9X8S4.	
CV1	JIN, Q., ET AL., "Putative arylsulfatase", June 1, 2003, Accession No. Q83S08.	
CW1	MAKINO, K., ET AL., "L-allo-threonine aldolase", June 1, 2003, Accession No. Q87HF4.	
CX1	MAKINO, K., ET AL., "Hypothetical protein VP2810", June 1, 2003, Accession No. Q87L10.	
CY1	ZHANG, Y.-Q., ET AL., "Hypothetical protein SE0450", March 1, 2003, Accession No. Q8CTK0.	
CZ1	NAKAGAWA, S., "Predicted Rossman fold nucleotide-binding protein", October 1, 2002, Accession No. Q8NN34.	
CA2	READ, T.D., ET AL., "Hypothetical protein", June 1, 2003, Accession No. Q81XE4.	
CB2	BUELL, C.R., ET AL., "Threonine aldolase, low-specificity", June 1, 2003, Accession No. Q885J1.	
CC2	SALANOUBAT, M., ET AL., "Hypothetical protein RSc2087", March 1, 2002, Accession No. Q8XXM6.	
CD2	POHL, T.M., ET AL., "S. cerevisiae chromosome X reading frame ORF YJL055w", August 11, 1997, Accession No. Z49330.	
CE2	MARSISCHKY, G., ET AL., "Saccharomyces cerevisiae clone FLH111141.01X YJL055W gene, complete cds.", March 14, 2004, Accession No. AY558247.	
CF2	WOOD, V., ET AL., "Probable threonine aldolase (EC 4.1.2.5)", October 16, 2001, Accession No. O13940.	
CG2	LIU, J.-Q., ET AL., "L-allo-threonine aldolase (EC 4.1.2.-) (L-allo-TA) (L-allo-threonine acetaldehyde-lyase)", November 1, 1997, Accession No. O07051.	
CH2	Cheng, Y.-Q., ET AL., "Alanine racemase TOXG (EC 5.1.1.1)", October 10, 2003, Accession No. Q9UW18.	
CI2	Stover, C.K., ET AL., "Pseudomonas aeruginosa PAO1, section 85 of 529 of the complete genome", February 19, 2003, Accession No. AE004524.	

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup>Applicant's unique citation designation number (optional). <sup>2</sup>Applicant is to place a check mark here if English language Translation is attached.

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